

SPECIFICATION AMENDMENTS

On page 1, insert above line 1, insert--Priority Claim

The present application claims priority on European Patent Application 03250229.6 filed 14 January 2003.--

On page 1, above line 1, insert--Field of the Invention--

Paragraph on page 1, line 1 has been amended as follows:

-- The present invention relates to a process for the generation of electricity and the production of a concentrated carbon dioxide (CO₂) stream using a molten carbonate fuel cell (MCFC).--

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Change(s) applied
to document,

/J.L.W./
6/6/2011

On page 1, above line 5, insert--Background of the Invention--

Paragraph on page 1, line 25, ending on page 2, line 6, has been amended as filed:

-- In a conventional operation of a MCFC, the anode off-gas is recycled, typically after combustion of the non-utilised non-utilized hydrogen and carbon monoxide, to the cathode chamber to provide for the carbon dioxide needed at the cathode layer. Air is fed to the cathode chamber to provide for the oxygen needed. The exhaust gas of the system, i.e. the cathode off-gas, comprises diluted carbon dioxide, usually in a concentration of about 3-5 % (v/v).--

Paragraph on page 2, line 7 has been amended as follows:

-- In order to minimize minimise the amount of carbon dioxide emitted to the atmosphere, it is advantageous to operate a MCFC in such a way that the carbon dioxide produced is obtained in a concentrated form. Carbon dioxide in a highly concentrated form, typically above 80 % (v/v), can be efficiently liquefied and subsequently used in enhanced oil recovery or the recovery of coal bed methane. Also for effective sequestration of carbon dioxide, a concentrated carbon dioxide stream is needed. Carbon dioxide concentrated to about 50 % (v/v), can usefully be applied in the food and paper industry.--